**IN THE CLAIMS:**

Please amend the indicated claims as follows:

Claims 1 - 24 (Canceled)

25. (Currently Amended) A method for performing a decryption operation, comprising:

loading into a memory a first decryption~~encryption~~ key, the first ~~encryption~~ decryption key comprising a first plurality of key values;

reading the first plurality of key values to initialize a table before the loading step has completed; and

initiating scrambling of the table with the first ~~encryption~~ decryption key before the loading step has completed.

26. (Previously Presented) The method of claim 25, wherein the table is an S-box table.

27. (Currently Amended) The method of claim 25, further comprising:

loading into the memory a second decryption~~encryption~~ key, the second ~~encryption~~ decryption key comprising a second plurality of key values with at least one of the second plurality of key values different than the first plurality of key values; and

wherein the loading into memory the second decryption~~encryption~~ key starts before the reading the first plurality of key values has completed.

Claims 28-29. (Cancelled)

30. (Currently Amended) A system for performing a decryption operation, comprising:

means for loading into a memory a first decryption~~encryption~~ key, the first decryption~~encryption~~ key comprising a first plurality of key values;

means for reading the first plurality of key values to initialize a table responsive to start reading the first plurality of key values before the means for loading has completed loading the first plurality of key values; and[[;]]

means adapted for initiating scrambling the table with the first decryption~~encryption~~ key before the loading step has completed.

31. (Currently Amended) The ~~method~~ system of claim 30, wherein the table is an S-box table.

32. (Currently Amended) The ~~method~~ system of claim 30, further comprising:

means for loading into the memory a second encryption key, the second encryption key comprising a second plurality of key values with at least one of the second plurality of key values different than the first plurality of key values; and

wherein the means for loading into memory the second encryption key is responsive to start before the means for reading the first plurality of key values has completed.

33. (Currently Amended) The ~~method~~ system of claim 30, further comprising:

_____means for scrambling the table with the first encryption key producing a scrambled table; and

_____means for decrypting a first data packet using the scrambled table.

34. (Currently Amended) The ~~method~~ system of claim 33, further comprising:

_____means for loading into the memory a second ~~encryption~~ decryption key, the second decryption~~encryption~~ key comprising a second plurality of key values having at least one key value different than the first plurality of key values; and

wherein the means for loading into memory the second decryption~~encryption~~ key starts before at least one of the group consisting of means for scrambling the table and means for decrypting the first data packet has completed.

35. (Currently Amended) A method for performing an encryption operation, comprising:

_____loading into a memory a first encryption key, the first encryption key comprising a first plurality of key values;

reading the first plurality of key values to initialize a table before the loading step has completed; and

~~means adapted for~~ initiating scrambling the table with the first encryption key before the loading step has completed producing a scrambled table.

36. (Previously Presented) The method of claim 35, wherein the table is an S-box table.

37. (Previously Presented) The method of claim 35, further comprising:

loading into the memory a second encryption key, the second encryption key comprising a second plurality of key values with at least one of the second plurality of key values different than the first plurality of key values; and

wherein the loading into memory the second encryption key starts before the reading the first plurality of key values has completed.

38. (Currently Amended) The method of claim 35, further comprising[[:]] encrypting a first data packet using the scrambled table.

39. (Previously Presented) The method of claim 38, further comprising:

loading into the memory a second encryption key, the second encryption key comprising a second plurality of key values having at least one key value different than the first plurality of key values; and

wherein the loading into memory the second encryption key starts before at least one of the group consisting of scrambling the table and encrypting the first data packet has completed.

40. (Currently Amended) A system for performing a decryption operation, comprising:

means for loading into a memory a first ~~encryption~~ decryption key, the first decryption~~encryption~~ key comprising a first plurality of key values;

means for reading the first plurality of key values to initialize a table responsive to start reading the first plurality of key values before the means for loading has completed loading the first plurality of key values; and

means adapted for initiating scrambling the table with the first decryption~~encryption~~ key before the loading step has completed producing a scrambled table.

41. (Currently Amended) The ~~method~~ system of claim 40, wherein the table is an S-box table.

42. (Currently Amended) The ~~method~~ system of claim 40, further comprising:

means for loading into the memory a second ~~encryption~~ decryption key, the second ~~encryption~~ decryption key comprising a second plurality of key values with at least one of the second plurality of key values different than the first plurality of key values; and

wherein the means for loading into memory the second decryption~~encryption~~ key is responsive to start before the means for reading the first plurality of key values has completed.

43. (Currently Amended) The ~~method~~system of claim 40, further comprising[[:]] means for decrypting~~encrypting~~ a first data packet using the scrambled table.

44. (Currently Amended) The ~~method~~ system of claim 43, further comprising:

means for loading into the memory a second decryption~~encryption~~ key, the second decryption~~encryption~~ key comprising a second plurality of key values having at least one key value different than the first plurality of key values; and

wherein the means for loading into memory the second decryption~~encryption~~ key starts before at least one of the group consisting of means adapted for initiating scrambling the table and means for decrypting the first data packet has completed.

Claims 45-50 (Cancelled)

51. (Currently Amended) A system for performing a decryption operation, comprising:

means for obtaining an address from a wireless data packet header;

means for using the address to look up the location of a first decryption~~encryption~~ key comprising a first plurality of key values for decryption;

means for loading into a memory the first decryption~~encryption~~ key;

means for reading the first plurality of key values to initialize a table responsive to start reading the first plurality of key values before the means for loading has completed loading the first plurality of key values; and

means for initiating scrambling the table with the first decryption~~encryption~~ key before the means for loading ~~step~~ has completed.

52. (Currently Amended) The ~~method~~ system of claim [[50]]51, wherein the table is an S-box table.

53. (Currently Amended) The ~~method~~ system of claim [[50]]51, further comprising:

means for loading into the memory a second ~~encryption~~ decryption key, the second ~~encryption~~ decryption key comprising a second plurality of key values with at least one of the second plurality of key values different than the first plurality of key values; and

wherein the loading into memory the second decryption ~~encryption~~ key starts before the reading the first plurality of key values has completed.

54. (Currently Amended) A system for performing an encryption operation, comprising:

means for obtaining an address from a wireless data packet header;

means for using the address to look up the location of a first encryption key comprising a first plurality of key values for ~~decryption~~encryption;

means for loading into a memory the first encryption key;

means for reading the first plurality of key values to initialize a table responsive to start reading the first plurality of key values before the means for loading has completed loading the first plurality of key values; and

means adapted for initiating scrambling the table with the first encryption key before the loading step has completed.

55. (Currently Amended) The ~~method~~ system of claim 54, wherein the table is an S-box table.

56. (Currently Amended) The ~~method~~ system of claim 54, further comprising:

means for loading into the memory a second encryption key, the second encryption key comprising a second plurality of key values with at least one of the second plurality of key values different than the first plurality of key values; and

wherein the loading into memory the second encryption key starts before the reading the first plurality of key values has completed.